

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits | Search Query  | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|------|---|---|------------------|---------|---------------------|
| L1    | 3    | ((("3458699") or ("7367216") or ("5313061"))).PN.         | US-PGPUB;<br>USPAT  | OR               | OFF     | 2010/02/22<br>05:52 |
| L2    | 1    | ("20070278401").PN.                                       | US-PGPUB;<br>USPAT  | OR               | OFF     | 2010/02/22<br>06:49 |
| L3    | 94   | ((glass near4 (valve seal\$4)) with break\$5 with vacuum) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2010/02/22<br>06:54 |
| L4    | 1    | 3 and (mass near2 spectromet\$4)                          | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2010/02/22<br>06:55 |
| L5    | 374  | ((glass near4 break\$5) with vacuum)                      | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2010/02/22<br>06:56 |

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| L6  | 16 | 5 and (mass near2 (analy\$4 spectromet\$4))   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/02/22<br>06:56 |
| L7  | 46 | ((break\$5 near4 (seal\$4 valve)) with vacuum) and<br>(mass near2 (analy\$4 spectromet\$4))                             | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/02/22<br>07:09 |
| L8  | 39 | 7 not 6   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/02/22<br>07:09 |
| L9  | 4  | 8 and (membrane with (seal\$4 glass valve))   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/02/22<br>07:09 |
| L10 | 98 | ((break\$5 near4 (seal\$4 valve)) with (\$4evacuat\$5<br>pressure vacuum)) and (mass near2 (analy\$4<br>spectromet\$4)) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/02/22<br>07:14 |
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| L11 | 31 | 10 and (mesh membrane porous holey) same (valve seal\$4)                   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2010/02/22<br>07:15 |
| L12 | 28 | 10 and ((mesh membrane porous holey) same (\$4evacuat\$5 pressure vacuum)) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2010/02/22<br>07:19 |
| L13 | 7  | 12 not 11  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2010/02/22<br>07:21 |
| L14 | 7  | ("6806465").URPN.  | USPAT   | OR | ON  | 2010/02/22<br>07:22 |
| L15 | 1  | ("5155357").PN.  | US-PGPUB;<br>USPAT  | OR | OFF | 2010/02/22<br>07:36 |
| L17 | 2  | EP-433936-\$.did.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2010/02/22<br>07:37 |
| L19 | 2  | GB-2384908-\$.did.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2010/02/22<br>07:37 |

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| L20 | 1    | GB-1224915-\$.did.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2010/02/22<br>07:37 |
| L21 | 2    | JP-2001307673-\$.did.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2010/02/22<br>07:38 |
| L22 | 8    | 15 17 19 20 21  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2010/02/22<br>07:38 |
| L23 | 1    | ("5019139").PN.   | US-PGPUB;<br>USPAT  | OR | OFF | 2010/02/22<br>07:51 |
| L24 | 22   | ("1174631"   "2045379"   "2964124"   "3421292"  <br>"3494174"   "3638401"   "3662520"   "3668837"  <br>"3721065"   "4003725"   "4808199").PN. OR<br>("5019139").URPN. | US-PGPUB;<br>USPAT; USOCR   | OR | ON  | 2010/02/22<br>07:51 |
| L25 | 6439 | (250/281,282,288,289,423R,428,430).CCLS.  | US-PGPUB;<br>USPAT  | OR | OFF | 2010/02/22<br>08:41 |
| L26 | 265  | 25 and ((mesh membrane porous hole) with<br>(\$4evacuat\$5 pressure vacuum))  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2010/02/22<br>08:41 |

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| L27 | 113 | 26 and (valve seal\$4 glass) with (\$4evacuat\$5 pressure vacuum)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/02/22<br>08:42 |
| L28 | 55  | 27 and ((valve seal\$4 glass) with (gas sample specimen)) same (membrane mesh porous holey)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/02/22<br>08:44 |
| L29 | 78  | ((valve seal\$4 glass) with (gas sample specimen)) and (mass near2 (spectromet\$4 analy\$4)) and (membrane mesh porous holey)).clm.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/02/22<br>09:15 |
| L31 | 21  | 29 and ((sample specimen gas) with (valve seal\$4 port glass) with (membrane porous holey)).clm.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/02/22<br>09:16 |
| L32 | 31  | 25 and ((mass near2 analy\$4 spectromet\$4)) and ((valve seal\$4 switch) with (entrance enter introduc\$5 inlet port) with (gas sample specimen)) and (((membrane porous mesh) with (vacuum pressure)) same (valve seal\$4 switch)) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/02/22<br>09:38 |
| L40 | 8   | ((ALAN) near2 (FINLAY)).INV.  | US-PGPUB;<br>USPAT  | OR | ON | 2010/02/22<br>10:06 |

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| L42 | 53 | (microsaic adj systems).as. | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/02/22<br>10:09 |
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### EAST Search History (Interference)

| Ref # | Hits | Search Query  | DBs            | Default Operator | Plurals | Time Stamp          |
|-------|------|---|----------------|------------------|---------|---------------------|
| L33   | 98   | (250/281,282,288,289,423R,428,430).CCLS.  | UPAD           | OR               | OFF     | 2010/02/22<br>09:58 |
| L34   | 3    | 33 and ((mesh membrane porous holey) with (\$4evacuat\$5 pressure vacuum))  | USPAT;<br>UPAD | OR               | ON      | 2010/02/22<br>09:58 |
| L35   | 161  | ((mass near2 analy\$4 spectromet\$4)) and ((valve seal \$4 switch) with (entrance enter introduc\$5 inlet port) with (gas sample specimen)) and (((membrane porous mesh) with (vacuum pressure)) same (valve seal\$4 switch)) | USPAT;<br>UPAD | OR               | ON      | 2010/02/22<br>09:59 |
| L37   | 100  | 35 and ((sample specimen gas) with (valve seal\$4 port glass) with (membrane porous holey))   | USPAT;<br>UPAD | OR               | ON      | 2010/02/22<br>10:00 |
| L39   | 22   | 37 and (mesh membrane porous holey) same (valve seal \$4) same (vacuume pressure) same (break\$5 switch\$4 releas\$4)   | USPAT;<br>UPAD | OR               | ON      | 2010/02/22<br>10:02 |
| L41   | 6    | (microsaic adj systems).as.   | USPAT;<br>UPAD | OR               | ON      | 2010/02/22<br>10:09 |

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